

**APPENDIX A**

**DECLARATION UNDER 37 C.F.R. § 1.131  
U.S. Appln. No. 09/773,682**

Sir:

This Appendix includes a declaration under 37 C.F.R. § 1.131 of Jeremy Burr, the inventor of the present application (2 pages total), as well as one copy of the supporting documentation referenced by the declaration "the attached Exhibit" (6 pages total).

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING FACSIMILE TRANSMITTED TO THE U.S. PATENT AND TRADEMARK OFFICE (FAX NO. 571-273-8300) ON THE DATE INDICATED BELOW:

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Jan. 12, 2006 By: *John M. Peterson***RECEIVED  
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JAN 12 2006

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Jeremy Burr

Atty. Docket: P9810

Appln. Ser. No.: 09/773,682

Group Art Unit: 2155

Filed: January 31, 2001

Examiner: Tran, Phillip B.

For: **ENABLING RESTRICTED COMMUNICATIONS BETWEEN A PLURALITY OF  
USERS****DECLARATION UNDER 37 CFR §1.131  
OF JEREMY BURR**

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

I, Jeremy Burr, hereby declare that:

1. I am a citizen of Great Britain, and currently reside at 2816 NW  
Savner Street, Portland OR, 97210.
2. I am currently an employee of Intel Corporation.
3. The invention claimed in the above-referenced patent  
application was conceived at least as early as April 28, 2000, as evidenced by the

Art Unit: 2155  
A/N: 09/773.682

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enclosed "Intel Invention Disclosure" entitled "Children's instant messaging" (hereinafter "the attached Exhibit").

4. I am the author of the subject matter in the attached Exhibit, which was prepared with the assistance of another (Ann Ruminski).

5. I have reviewed the attached Exhibit and believe it to be a true copy of the document I authored.

6. Since first conception of the invention described in the attached Exhibit, I diligently pursued the invention including working with other Intel engineers to reduce the conceived invention into practice for an Intel Wireless Series Product line, as well as working with attorneys in preparing and filing the above-referenced patent application.

7. I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the above-identified patent application or any patent issued thereon.

Executed on this 5<sup>th</sup> day of January, 2006.

By:

 2006-01-05  
\_\_\_\_\_  
Jeremy Burr

Art Unit: 2155  
A/N: 09/773,682

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ATTORNEY-CLIENT PRIVILEGED COMMUNICATION

# 14426 INTEL INVENTION DISCLOSURE ATTORNEY-CLIENT PRIVILEGED COMMUNICATION

MAY - 1 2000

DATE: 4/28/2000

Connected Products / CPD

It is important to provide accurate and detailed information on this form. The information will be used to evaluate your invention for possible filing as a patent application. When completed and signed, please return this form to the Legal Department at JF3-147. If you have any questions, please call 264-0444.

1. Inventor: Burr Jeremy  
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City Portland State OR Zip 97209 Country USA  
\*Corporate Level Group (e.g. IABG, NCG, CEO) NBG Division CPD Subdivision  
Supervisor: Narasimha Kumar WWID 10021140 Phone 503-264-1757 M/S: JF1-32

Inventor: \_\_\_\_\_  
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Home Address: \_\_\_\_\_ MAY 3 - 2000  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Country \_\_\_\_\_  
\*Corporate Level Group (e.g. IABG, NCG, CEO) \_\_\_\_\_ Division **PATENT DATABASE GROUP**  
Supervisor: \_\_\_\_\_ WWID \_\_\_\_\_ Phone \_\_\_\_\_ M/S: \_\_\_\_\_  
**INTEL LEGAL TEAM**

\*If you are unsure of this information, please discuss with your manager.

(PROVIDE SAME INFORMATION AS ABOVE FOR EACH ADDITIONAL INVENTOR)

- Title of Invention: children's instant messaging (Intel Project Name TBD)
- What technology/product/process (code name) does it relate to (be specific if you can):  
Intel Wireless Series Product line
- Include several key words to describe the technology area of the invention in addition to # 3 above: "one thought big"  
parental authority, buddy list, instant communication, instant messaging
- Stage of development (i.e. % complete, simulations done, test chips if any, etc.)  
product concept - first working prototypes in mid-June, alpha testing in mid-July
- (a) Has a description of your invention been, or will it shortly be, published outside Intel:  
NO: x YES: \_\_\_\_\_ If YES, was the manuscript submitted for pre-publication approval? \_\_\_\_\_  
IDENTIFY THE PUBLICATION AND THE DATE PUBLISHED: \_\_\_\_\_  
(b) Has your invention been used/sold or planned to be used/sold by Intel or others?  
NO: x YES: \_\_\_\_\_ DATE WAS OR WILL BE SOLD: \_\_\_\_\_

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- (c) Does this invention relate to technology that is or will be covered by a SIG (special interest group)/standard/ or specification?

NO: ☒ YES: \_\_\_\_\_ Name of SIG/Standard/Specification: \_\_\_\_\_

- (d) If the invention is embodied in a semiconductor device, actual or anticipated date of tapeout? N/A

- (e) If the invention is software, actual or anticipated date of any beta tests outside Intel the software is embedded in the product - there will not be a separate beta test cycle

7. Was the invention conceived or constructed in collaboration with anyone other than an Intel blue badge employee or in performance of a project involving entities other than Intel, e.g. government, other companies, universities or consortia? NO: ☒ YES: \_\_\_\_\_ Name of individual or entity: \_\_\_\_\_

8. Is this invention related to any other invention disclosure that you have recently submitted? If so, please give the title and inventors: no

**PLEASE READ AND FOLLOW THE DIRECTIONS ON  
HOW TO WRITE A DESCRIPTION OF YOUR INVENTION**

**Please attach a description of the invention to this form, DATED AND SIGNED BY AT LEAST ONE PERSON WHO IS NOT A NAMED INVENTOR, and include the following information:**

1. Describe in detail what the components of the invention are and how the invention works.

**Abstract:**

A mechanism for children's instant messaging, to include (i) a wireless hand-held device optimized for instant messaging, and (ii) a secondary protective software layer between the child and the Internet world to screen inappropriate content and potentially harmful relationships.

**Problem Statement:**

Children aged 8 - 11 want to talk to their friends as much as possible. They want easy convenient instant communication in real-time on many different levels. They want to talk on the phone, browse through Web pages, watch TV, send e-mail and use instant messaging to talk to their buddies. They want to chat; they are unconcerned about adult subjects like stock prices, appointments, weather, etc. They are also unconcerned about any potential trouble or inappropriate content. Their parents are understandably very concerned about content and their worst fear is a pedophile masquerading as a child, lurking on the Internet or in chat rooms. Therefore they actively prohibit instant messaging for their children under the age of 12. This invention, Intel Project Name TBD is a combined hardware and software solution to the concerns of both children and parents.

This invention focuses on the essence of messaging which is instant communication. This communication is in the form of transient conversations between friends where each sentence is "one thought big". This invention combines hardware and software to represent "one thought big" per screen as one expression in a conversation. The LCD frames the thought.

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**Assumptions:**

We assume that the client PC is running and connected to the Internet or that it can be activated by this wireless device. We also assume that the Intel Wireless Base Station is connected and has an available channel for each Intel Project Name TBD device. These devices inherit the same characteristics and limitations of long-range devices on an Intel Wireless Series network.

**Details:**

The device runs with the Intel Wireless Base Station which can handle up to 8 devices within the home environment. The wireless link operates at 11 kilobits per second per channel so a complete screen refresh occurs in 1/10 of a second.

The device footprint is approximately 90x60x25mm. There is one LCD display; the LCD size is 4 lines with 20 characters per line. Each character is 3mm in height. In memory, the display is divided into two screens. One screen is used for the user's current thought; the other screen is a memory stack of the ongoing history of the current conversation. Each message thought is sent to one or more buddies as soon as the user presses the enter key. In an actual conversation, the user types their one thought in the bottom display line. The top three lines display the last three thoughts from one or more buddies as part of the history of the conversation. The user can press the select button to easily toggle between typing their thought and reading the thought(s) from his/her buddies. The user scrolls up and down to see the previous text in the memory stack. There is no option to change font type, size or color. There is no formatting capability; users can add extra spaces to prevent splitting a word between lines.

Users are informed when a friend or buddy comes online or goes offline by a beeping or vibrating mechanism. There can be multiple buddies online participating in the same conversation thread.

Within the software hosted on the PC (not on the device) there is a safety feature that is a secondary protective software layer between the child and the Internet world to screen inappropriate content and potentially harmful relationships. There is password protection on the PC (managed by the parent) that prevents the children from adding or subtracting buddies from their approved buddy list. Parents take responsibility for knowing their children's friends and adding them, when requested. The secondary protective software layer ignores potential buddies who are unauthorized and prevents communication to/from these unauthorized buddies.

**Claims:**

A mechanism for children's instant messaging, to include:

- (i) a wireless hand-held device optimized for instant messaging, and
- (ii) a secondary protective software layer between the child and the Internet world to screen inappropriate content and potentially harmful relationships.

**2. Describe advantage(s) of your invention over what is done now.**

Like other Intel Wireless Series peripherals, this invention is mobile in the range of home and garden (within 30 meters of the Base Station). Unlike other peripherals, this mobility along with its small size and therefore wearable portability greatly increases the convenience and fun factor. Like conversation, but unlike other communications devices, there is no permanent record; when the child exits the conversation or turns off the device, the words vanish.

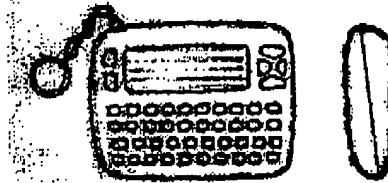
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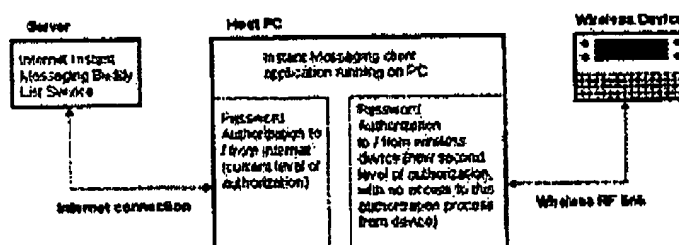
There are many chat services that offer one level of password protection and allow users to check profiles of potential friends or buddies online. However, there is nothing to prevent nefarious characters from masquerading as children when they register. Unlike these services, this invention offers a second level of protection. It allows parents to exercise real control to limit their children's buddy list to children the parents know at school, church or synagogue, in the neighborhood or socially. The parents prevent unknown buddies from communicating with their children and the child never sees any unknown buddies in their buddy or friend list.

3. **YOU MUST include at least one figure illustrating the invention. If the invention relates to software, include a flowchart or pseudo-code representation of the algorithm.**

Wireless Device



2nd level of password authorization



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**4. Value of your Invention to Intel (how will it be used?).**

This invention is a key proof of concept for the View architecture.

- It follows existing architecture so it is simple to develop and manufacture.
- Using an existing architecture ensures low cost so children and/or their parents can afford the product.
- It extends the Intel Wireless Series Product line, leveraging the primary differentiating feature - multiple devices operating simultaneously.
- It opens a large, virtually untapped segment of the population to Intel products, developing a new branded product line.
- It protects Intel's investment in developing this new branded product line.
- It is cool enough to wear to school on a backpack.

**5. Explain how your invention is novel. If the technology itself is not new, explain what makes it different.**

The technology itself is not new. The Intel Wireless Series Product line is an enabling technology. The software is standard I/O modules with buffering. The hardware is physically structured in a non-obvious way around a single thought. This is a wireless pager-sized hand-held device that promotes a very different usage model, that very closely approximates intimate conversation between close friends. There are no extraneous functions or distractions; it is optimized for framing the thought.

**6. Identify the closest or most pertinent prior art that you are aware of.**

The Intel Fiji Architecture is a portable wireless device that incorporates a graphical display and full QWERTY keyboard. It provides a much richer Internet experience supporting e-mail, chat room conversations, text-based Web browsing in addition to instant messaging. By definition, this product is larger, more expensive and not optimized for the immediacy of instant messaging.



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7. Who is likely to want to use this invention or infringe the patent if one is obtained and how would infringement be detected?

Manufacturers of wireless communication devices, Internet messaging services such as AOL, Yahoo and Microsoft and leading-edge toy companies. If there is a retail wireless device that is (probably) physically small and supports instant messaging, any knowledgeable engineer can detect infringement by purchasing the device and checking the functionality. If instant messaging is the device's primary or only function, claim i of this patent is likely to be infringed. Any knowledgeable engineer can also review the software interface presented to the device. If the device supports a secondary authority software layer, claim ii of this patent is also likely to be infringed.

Assistance for this Invention Disclosure Form provided by Patent Builders:

Name: Ann Ruminick  
Ann Ruminick

Date: 4/28/2000

Intel employee who is knowledgeable about this invention, but who is not a named inventor.

Name: Robert C. Brown  
Robert C. Brown

Date: 4/28/2000

\*HAVE YOUR SUPERVISOR READ, DATE AND SIGN COMPLETED FORM

DATE: 4/28/2000

SUPERVISOR: [Signature]

Narasimha Kumar (Jeremy Burr's manager)

BY THIS SIGNING, I (SUPERVISOR) ACKNOWLEDGE THAT I HAVE READ AND UNDERSTAND THIS DISCLOSURE, AND RECOMMEND THAT THE HONORARIUM BE PAID

[Signature]  
2000-04-28

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